

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P956173

Luminaire Tested: **GLAN-SB8D-930-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956173  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-930-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 58217 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4

Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



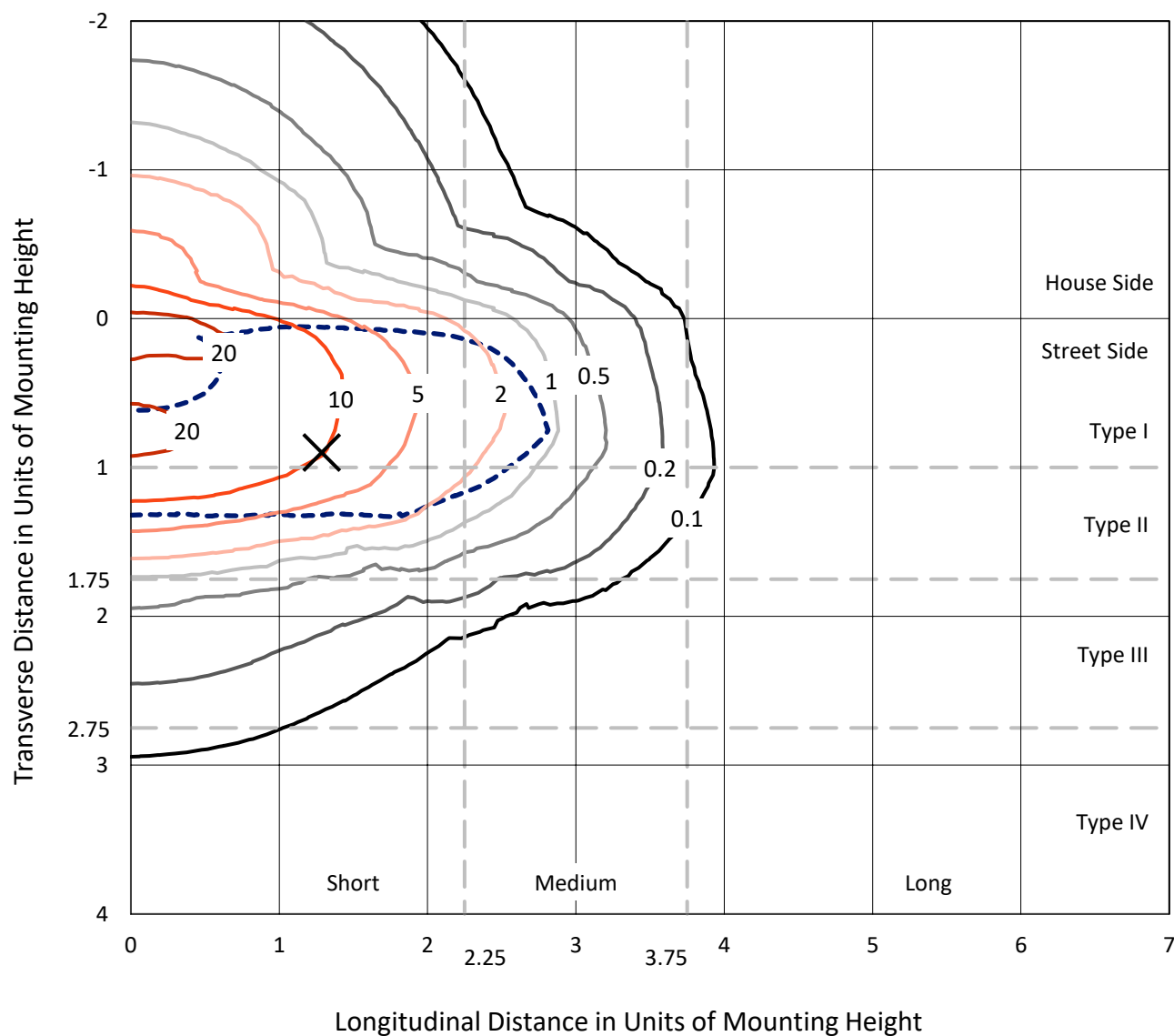
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

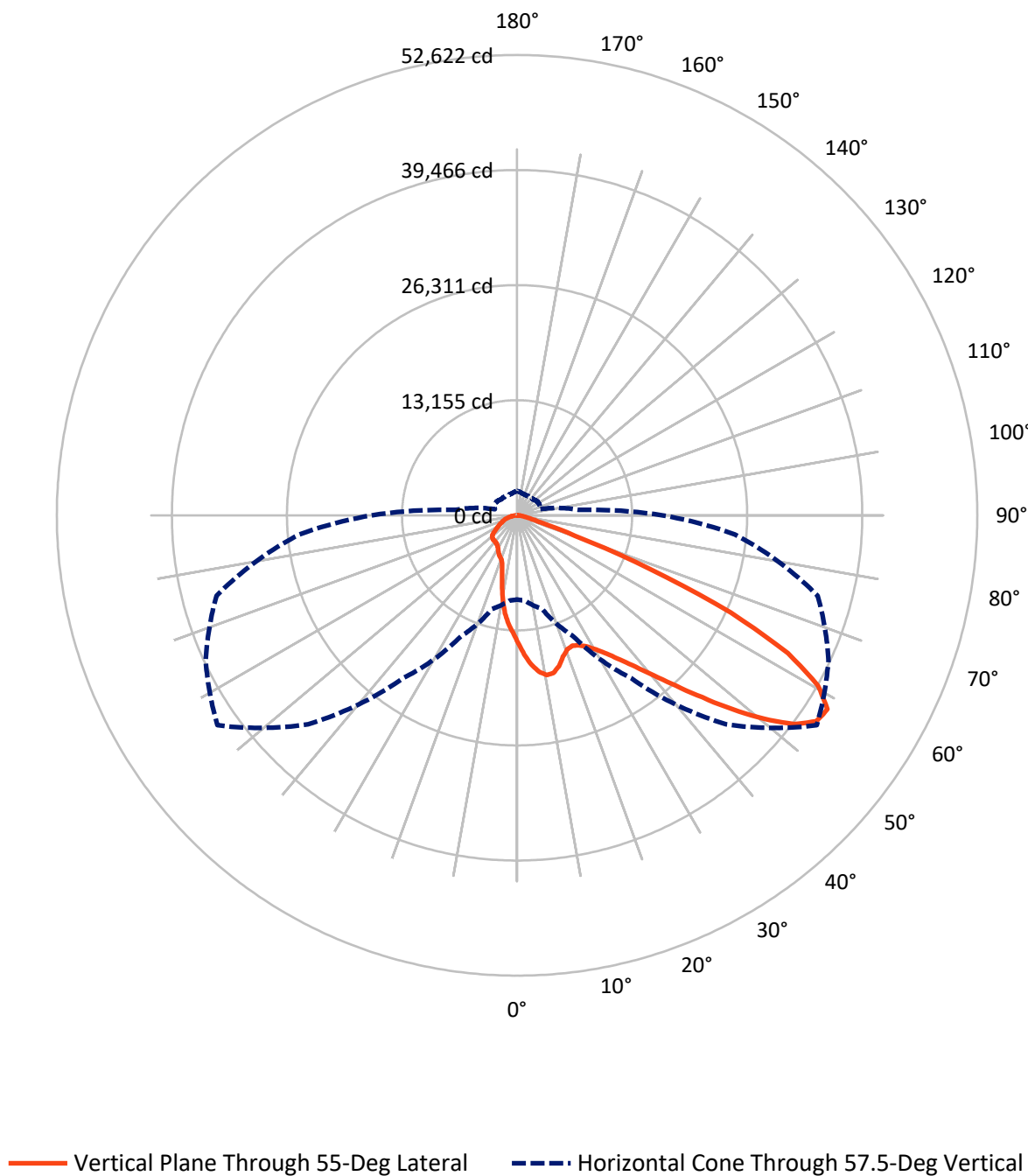


Based on 25 foot mounting height. Maximum calculated value = 28.2 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10534.1  | 0.0    | 10534.1 |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 47682.9  | 0.0    | 47682.9 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 58217.0  | 0.0    | 58217.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1353.6  | 2.3       |
| 10°-20°   | 3416.6  | 5.9       |
| 20°-30°   | 5451.9  | 9.4       |
| 30°-40°   | 8631.7  | 14.8      |
| 40°-50°   | 13211.7 | 22.7      |
| 50°-60°   | 14151.0 | 24.3      |
| 60°-70°   | 8902.4  | 15.3      |
| 70°-80°   | 2632.6  | 4.5       |
| 80°-90°   | 465.5   | 0.8       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 58217.0 | 100.0     |
| 0°-180°   | 58217.0 | 100.0     |

**Coefficient of Utilization**



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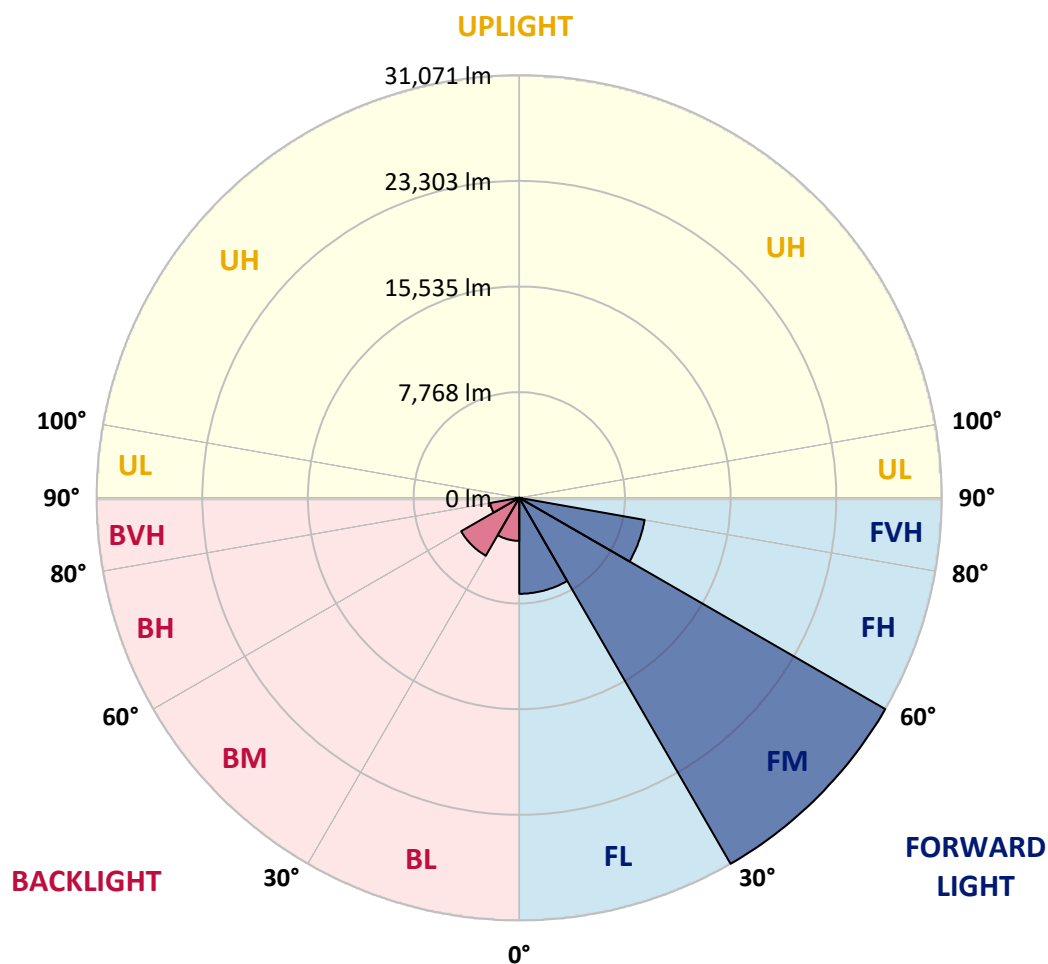
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 7055.9  | 12.1      |                         |      |          |
| FM   | (30°-60°)   | 31070.8 | 53.4      |                         |      |          |
| FH   | (60°-80°)   | 9359.5  | 16.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 196.7   | 0.3       |                         |      | G2/225   |
| BL   | (0°-30°)    | 3166.2  | 5.4       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 4923.5  | 8.5       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2175.5  | 3.7       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 268.8   | 0.5       |                         |      | G3/500   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B4-U0-G4**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 14587.3 | 14587.3 | 14587.3 | 14587.3 | 14587.3 | 14587.3 | 14587.3 | 14587.3 | 14587.3 | 14587.3 |
| 2.5°  | 16736.1 | 16724.1 | 16790.3 | 16564.6 | 16411.1 | 16203.4 | 15929.5 | 15580.4 | 15204.2 | 14807.0 |
| 5°    | 18243.9 | 18138.6 | 18207.8 | 18039.2 | 17870.7 | 17557.7 | 17151.4 | 16582.6 | 15887.4 | 15095.9 |
| 7.5°  | 18006.1 | 17933.9 | 18111.5 | 18262.0 | 18388.4 | 18349.2 | 18051.3 | 17455.4 | 16558.5 | 15408.9 |
| 10°   | 16089.1 | 16007.8 | 16257.6 | 16778.2 | 17542.7 | 18207.8 | 18568.9 | 18198.8 | 17244.7 | 15752.0 |
| 12.5° | 14397.7 | 14358.6 | 14524.1 | 14945.4 | 15794.1 | 17070.2 | 18502.7 | 18848.8 | 17958.0 | 16158.3 |
| 15°   | 13675.4 | 13627.2 | 13732.6 | 13946.3 | 14488.0 | 15676.7 | 17900.8 | 19294.2 | 18659.2 | 16627.8 |
| 17.5° | 13515.9 | 13461.7 | 13506.9 | 13618.2 | 13967.3 | 14873.2 | 16991.9 | 19513.9 | 19390.5 | 17151.4 |
| 20°   | 13810.8 | 13765.7 | 13771.7 | 13765.7 | 14009.5 | 14728.7 | 16359.9 | 19429.7 | 20028.6 | 17633.0 |
| 22.5° | 14524.1 | 14448.9 | 14451.9 | 14292.4 | 14424.8 | 14981.5 | 16194.4 | 19203.9 | 20597.4 | 18054.3 |
| 25°   | 15685.8 | 15550.3 | 15577.4 | 15171.1 | 15135.0 | 15547.3 | 16453.2 | 19029.4 | 21163.2 | 18391.4 |
| 27.5° | 17274.8 | 17121.3 | 17040.1 | 16435.2 | 16146.2 | 16350.9 | 16979.9 | 19089.6 | 21698.9 | 18683.3 |
| 30°   | 19261.1 | 19074.5 | 18909.0 | 18051.3 | 17527.6 | 17452.4 | 17798.5 | 19486.8 | 22330.9 | 18990.3 |
| 32.5° | 21695.8 | 21479.2 | 21178.2 | 20040.6 | 19303.3 | 18909.0 | 18857.8 | 20194.1 | 23071.2 | 19381.5 |
| 35°   | 24594.0 | 24311.1 | 23883.8 | 22412.1 | 21479.2 | 20672.6 | 20254.3 | 21214.3 | 24085.4 | 19971.4 |
| 37.5° | 27579.5 | 27260.5 | 26869.3 | 25117.7 | 23971.1 | 22782.3 | 21957.7 | 22598.7 | 25436.7 | 20771.9 |
| 40°   | 30333.3 | 29975.1 | 29611.0 | 28052.0 | 26821.1 | 25388.6 | 24043.3 | 24350.3 | 27089.0 | 21729.0 |
| 42.5° | 31958.4 | 31693.6 | 31555.1 | 30712.5 | 29761.4 | 28307.8 | 26637.5 | 26426.9 | 28945.9 | 22830.4 |
| 45°   | 31886.2 | 31777.8 | 32205.2 | 32554.3 | 32328.6 | 31522.0 | 29677.2 | 28723.1 | 30808.8 | 23784.5 |
| 47.5° | 30182.8 | 30255.0 | 31209.0 | 33171.3 | 34035.0 | 34456.3 | 33138.2 | 30977.3 | 32427.9 | 24497.7 |
| 50°   | 25548.1 | 25608.3 | 27817.3 | 32048.7 | 34474.4 | 36848.9 | 36572.1 | 33177.3 | 33682.9 | 24934.1 |
| 52.5° | 21879.4 | 21918.6 | 22866.6 | 28720.1 | 33023.8 | 38052.8 | 39665.9 | 35250.9 | 34600.8 | 25054.5 |
| 55°   | 16480.3 | 16615.7 | 17678.1 | 22532.5 | 29249.8 | 37098.7 | 41549.9 | 37387.6 | 35181.6 | 25066.5 |
| 57.5° | 9627.6  | 9775.0  | 11087.2 | 15294.5 | 22734.1 | 33773.2 | 41835.8 | 39283.7 | 35575.9 | 24970.2 |
| 60°   | 4716.0  | 4779.2  | 5351.0  | 8038.5  | 14018.5 | 27365.8 | 39536.5 | 40201.6 | 35795.6 | 24919.1 |
| 62.5° | 3178.1  | 3169.1  | 3193.1  | 3966.6  | 6906.9  | 17581.8 | 34745.3 | 38594.5 | 35678.2 | 24723.5 |
| 65°   | 2732.7  | 2699.6  | 2609.3  | 2783.8  | 3578.4  | 8041.5  | 26845.2 | 33797.3 | 34784.4 | 24232.9 |
| 67.5° | 2362.5  | 2365.5  | 2368.5  | 2314.3  | 2555.1  | 3710.8  | 16405.1 | 26622.5 | 31576.2 | 21909.5 |
| 70°   | 1956.2  | 1983.3  | 1995.3  | 1995.3  | 2082.6  | 2434.7  | 7003.2  | 18246.9 | 24907.0 | 17178.5 |
| 72.5° | 1781.7  | 1724.5  | 1730.5  | 1700.4  | 1700.4  | 1853.9  | 2819.9  | 10343.8 | 15691.8 | 9663.7  |
| 75°   | 1453.6  | 1489.7  | 1495.7  | 1474.7  | 1405.5  | 1414.5  | 1673.3  | 4339.8  | 6714.3  | 4008.7  |
| 77.5° | 1255.0  | 1255.0  | 1267.0  | 1252.0  | 1197.8  | 1059.4  | 1116.5  | 1682.3  | 2284.2  | 1643.2  |
| 80°   | 1008.2  | 1005.2  | 1056.4  | 1086.4  | 1002.2  | 782.5   | 713.3   | 930.0   | 1014.2  | 722.3   |
| 82.5° | 490.6   | 520.7   | 725.3   | 827.6   | 761.4   | 565.8   | 436.4   | 577.8   | 541.7   | 319.0   |
| 85°   | 285.9   | 270.9   | 325.0   | 460.5   | 436.4   | 313.0   | 210.7   | 301.0   | 282.9   | 162.5   |
| 87.5° | 90.3    | 84.3    | 66.2    | 156.5   | 126.4   | 87.3    | 57.2    | 87.3    | 78.2    | 36.1    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

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**CANDELA DISTRIBUTION (continued):**

| 90°     |       | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 14587.3 | 0°    | 14587.3 | 14587.3 | 14587.3 | 14587.3 | 14587.3 | 14587.3 | 14587.3 | 14587.3 | 14587.3 | 14587.3 |
| 14635.4 | 2.5°  | 14421.8 | 14066.6 | 13714.5 | 13392.5 | 13196.9 | 13070.5 | 12944.1 | 12802.6 | 12748.5 | 12667.2 |
| 14674.6 | 5°    | 14277.3 | 13591.1 | 12980.2 | 12453.5 | 11975.0 | 11598.8 | 11219.6 | 10912.6 | 10774.2 | 10867.5 |
| 14798.0 | 7.5°  | 14193.0 | 13199.9 | 12257.9 | 11291.8 | 10361.9 | 9618.5  | 8971.5  | 8517.0  | 8312.4  | 8363.5  |
| 14918.3 | 10°   | 14117.8 | 12757.5 | 11321.9 | 9796.1  | 8459.8  | 7538.9  | 6876.8  | 6530.7  | 6401.3  | 6428.4  |
| 15080.9 | 12.5° | 14048.6 | 12260.9 | 10193.3 | 8186.0  | 6765.5  | 6157.5  | 5967.9  | 5970.9  | 5995.0  | 6013.1  |
| 15339.7 | 15°   | 14036.5 | 11662.0 | 8932.3  | 6777.5  | 5850.6  | 5811.4  | 6016.1  | 6145.5  | 6214.7  | 6235.8  |
| 15556.4 | 17.5° | 14018.5 | 10945.7 | 7647.3  | 5817.5  | 5627.9  | 5892.7  | 6082.3  | 6166.6  | 6220.7  | 6223.8  |
| 15767.0 | 20°   | 13946.3 | 10036.9 | 6461.5  | 5360.0  | 5579.7  | 5808.4  | 5925.8  | 5992.0  | 6037.2  | 6052.2  |
| 15926.5 | 22.5° | 13723.5 | 9025.6  | 5537.6  | 5155.4  | 5387.1  | 5570.7  | 5709.1  | 5784.4  | 5811.4  | 5829.5  |
| 15956.6 | 25°   | 13323.3 | 7894.1  | 4899.5  | 4959.7  | 5119.2  | 5351.0  | 5462.3  | 5477.4  | 5468.4  | 5495.4  |
| 15881.4 | 27.5° | 12799.6 | 6681.2  | 4502.3  | 4694.9  | 4899.5  | 5098.2  | 5158.4  | 5149.3  | 5131.3  | 5161.4  |
| 15752.0 | 30°   | 12167.6 | 5591.7  | 4249.5  | 4397.0  | 4676.8  | 4857.4  | 4911.6  | 4890.5  | 4854.4  | 4887.5  |
| 15685.8 | 32.5° | 11499.5 | 4700.9  | 4041.8  | 4189.3  | 4493.3  | 4670.8  | 4725.0  | 4703.9  | 4676.8  | 4703.9  |
| 15761.0 | 35°   | 10876.5 | 4077.9  | 3849.2  | 4050.9  | 4348.8  | 4523.4  | 4592.6  | 4595.6  | 4595.6  | 4628.7  |
| 15959.6 | 37.5° | 10304.7 | 3713.8  | 3689.7  | 3963.6  | 4249.5  | 4406.0  | 4505.3  | 4511.3  | 4381.9  | 4390.9  |
| 16296.7 | 40°   | 9775.0  | 3560.3  | 3617.5  | 3906.4  | 4153.2  | 4303.7  | 4309.7  | 3972.6  | 3734.9  | 3728.8  |
| 16681.9 | 42.5° | 9341.6  | 3530.2  | 3638.5  | 3900.4  | 4084.0  | 4090.0  | 3665.6  | 3403.8  | 3337.6  | 3340.6  |
| 17037.1 | 45°   | 8935.4  | 3521.2  | 3686.7  | 3900.4  | 3981.6  | 3533.2  | 3247.3  | 3178.1  | 3184.1  | 3208.2  |
| 17196.6 | 47.5° | 8480.9  | 3485.1  | 3695.7  | 3846.2  | 3686.7  | 3142.0  | 3057.7  | 3027.6  | 3015.6  | 3021.6  |
| 17160.5 | 50°   | 7984.3  | 3355.6  | 3581.4  | 3737.9  | 3181.1  | 2973.4  | 2868.1  | 2859.1  | 2874.1  | 2883.1  |
| 16958.8 | 52.5° | 7460.7  | 3145.0  | 3385.7  | 3542.2  | 2949.4  | 2826.0  | 2708.6  | 2729.7  | 2795.9  | 2816.9  |
| 16748.1 | 55°   | 7117.6  | 2898.2  | 3126.9  | 3151.0  | 2786.8  | 2687.5  | 2588.2  | 2636.4  | 2759.8  | 2798.9  |
| 16621.7 | 57.5° | 7027.3  | 2636.4  | 2832.0  | 2804.9  | 2579.2  | 2567.1  | 2507.0  | 2549.1  | 2705.6  | 2762.8  |
| 16615.7 | 60°   | 7000.2  | 2401.6  | 2543.1  | 2522.0  | 2377.5  | 2434.7  | 2419.7  | 2440.7  | 2494.9  | 2513.0  |
| 16555.5 | 62.5° | 6789.5  | 2215.0  | 2284.2  | 2254.2  | 2197.0  | 2296.3  | 2332.4  | 2287.3  | 2329.4  | 2350.5  |
| 16143.2 | 65°   | 6253.8  | 2064.6  | 2031.4  | 2010.4  | 2034.5  | 2124.7  | 2197.0  | 2106.7  | 2145.8  | 2206.0  |
| 14554.2 | 67.5° | 5369.0  | 1859.9  | 1769.6  | 1793.7  | 1868.9  | 1917.1  | 2010.4  | 1908.1  | 1941.2  | 2043.5  |
| 11722.2 | 70°   | 4342.8  | 1601.1  | 1519.8  | 1589.0  | 1661.3  | 1760.6  | 1775.6  | 1706.4  | 1784.7  | 1899.0  |
| 7153.7  | 72.5° | 3072.8  | 1339.2  | 1282.1  | 1423.5  | 1447.6  | 1577.0  | 1543.9  | 1510.8  | 1619.1  | 1658.3  |
| 3536.2  | 75°   | 2130.8  | 1080.4  | 1047.3  | 1155.7  | 1242.9  | 1354.3  | 1330.2  | 1369.3  | 1598.1  | 1616.1  |
| 1766.6  | 77.5° | 1348.3  | 839.7   | 818.6   | 887.8   | 1008.2  | 1131.6  | 1170.7  | 1616.1  | 2729.7  | 2838.0  |
| 917.9   | 80°   | 782.5   | 626.0   | 601.9   | 656.1   | 761.4   | 875.8   | 1128.6  | 1983.3  | 1799.7  | 1778.6  |
| 412.3   | 82.5° | 436.4   | 430.4   | 400.3   | 415.3   | 508.6   | 632.0   | 1595.1  | 1396.4  | 1134.6  | 1170.7  |
| 165.5   | 85°   | 204.6   | 252.8   | 216.7   | 207.7   | 285.9   | 740.3   | 1065.4  | 797.5   | 529.7   | 517.6   |
| 36.1    | 87.5° | 54.2    | 48.2    | 48.2    | 54.2    | 120.4   | 638.0   | 424.3   | 340.1   | 201.6   | 195.6   |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

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